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Soggetti	Pattern recognition systems Life sciences Computer programming Algorithms Artificial intelligence—Data processing Data mining Automated Pattern Recognition Life Sciences Programming Techniques Data Science Data Mining and Knowledge Discovery
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Algorithms for Forest Pattern Matching -- Affine Image Matching Is Uniform -Complete -- Old and New in Stringology -- Small-Space 2D Compressed Dictionary Matching -- Bidirectional Search in a String with Wavelet Trees -- A Minimal Periods Algorithm with Applications -- The Property Suffix Tree with Dynamic Properties -- Approximate All-Pairs Suffix/Prefix Overlaps -- Succinct Dictionary Matching with No Slowdown -- Pseudo-realtime Pattern Matching: Closing the Gap -- Breakpoint Distance and PQ-Trees -- On the Parameterized Complexity

of Some Optimization Problems Related to Multiple-Interval Graphs -- Succinct Representations of Separable Graphs -- Implicit Hitting Set Problems and Multi-genome Alignment -- Bounds on the Minimum Mosaic of Population Sequences under Recombination -- The Highest Expected Reward Decoding for HMMs with Application to Recombination Detection -- Phylogeny- and Parsimony-Based Haplotype Inference with Constraints -- Faster Computation of the Robinson-Foulds Distance between Phylogenetic Networks -- Mod/Resc Parsimony Inference -- Extended Islands of Tractability for Parsimony Haplotyping -- Sampled Longest Common Prefix Array -- Verifying a Parameterized Border Array in $O(n^{1.5})$ Time -- Cover Array String Reconstruction -- Compression, Indexing, and Retrieval for Massive String Data -- Building the Minimal Automaton of A^*X in Linear Time, When X Is of Bounded Cardinality -- A Compact Representation of Nondeterministic (Suffix) Automata for the Bit-Parallel Approach -- Algorithms for Three Versions of the Shortest Common Superstring Problem -- Finding Optimal Alignment and Consensus of Circular Strings -- Optimizing Restriction Site Placement for Synthetic Genomes -- Extension and Faster Implementation of the GRP Transform for Lossless Compression -- Parallel and Distributed Compressed Indexes.
